

What is claimed is:

1. A distribution device for distributing high magnitude electrical potential from an input port of the distribution device to a plurality of output ports thereof, the distribution device including a first portion and a second portion adapted for engagement, at least one of the first and second portions including cooperating couplers.
2. The apparatus of claim 1 wherein the cooperating couplers comprise high voltage contacts, the at least one of the first and second portions including openings for receiving the high voltage contacts.
3. The apparatus of claim 1 wherein the at least one of the first and second portions and the couplers include complementary threaded portions for securing the couplers in engagement with the at least one of the first and second portions.
4. The apparatus of claim 3 further comprising a plug including a complementary threaded portion for securing the plug in the at least one of the first and second portions, the plug adapted to be received in at least one of the openings to replace an unused one of the couplers.
5. The apparatus of claim 1 wherein the first and second portions include complementary threaded portions for securing the first and second portions together in assembled configuration.
6. The apparatus of claim 1 wherein the first and second portions include complementary surfaces between which at least one of the cooperating couplers is captured to promote electrical continuity among the cooperating couplers through the device.
7. The apparatus of claim 6 wherein the complementary surfaces include labyrinthine portions.
8. The apparatus of claim 1 further including a high magnitude potential supply having an output port at which a high magnitude potential is provided, and a plurality of high magnitude potential utilization device, the output port of the high magnitude potential supply being coupled to the input port of the distribution device and respective output ports of the distribution device being coupled to respective utilization devices.
9. The apparatus of claim 8 wherein the utilization devices

comprise coating material atomizing and dispensing devices.

10. The apparatus of claim 9 wherein the coating material atomizing and dispensing devices comprise electrostatically aided coating material atomizing and dispensing devices.

5 11. The apparatus of claim 9 further including at least one coating material source coupled to the coating material atomizing and dispensing devices.

12. A high magnitude potential supply system including a high magnitude potential supply having an output port at which a high magnitude potential is provided, a high magnitude potential distribution device having an input port and
10 output ports, utilization devices, the output port of the high magnitude potential supply being coupled to the input port of the distribution device and respective output ports of the distribution device being coupled to respective utilization devices.

13. The apparatus of claim 12 wherein the utilization devices comprise coating material atomizing and dispensing devices.

15 14. The apparatus of claim 13 wherein the coating material atomizing and dispensing devices comprise electrostatically aided coating material atomizing and dispensing devices.

15. The apparatus of claim 13 further including at least one coating material source coupled to the coating material atomizing and dispensing devices.

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